



EUROLYZER ST

Three-in-one-instrument!

- *Flue gas analysis*
- *Pressure measurement*
- *Temperature measurement*



- *Intuitive user guidance with touchpad for scrolling*
- *High resolution TFT colour monitor with brilliant contrast*
- *Choice of display colours for measurement values*
- *Highest flexibility through data storage on Micro-SD-Card*
- *Extended CO measuring range with H2 compensation*
- *Measurement with two active display levels (Multi-Tasking-Function)*
- *Separate measurement programmes for (differential) pressure and temperature*
- *Powerful NiMH rechargeable battery block provides for up to 8 hours of measurement*
- *Internationally normed plug connector system*
- *Unbeatable price/quality ratio*

Application

Ideal for checking and servicing of small and medium sized heating systems acc. to BImSchV and for safety-technical CO checks of gas fired installations.

The instrument is ideally suited for measurements on bi-valency combination and efficiency mod-

ulating BHKW – heating installations up to a Lambda value of 1.00 and provides also an exact calculation of the 'Eta' value for all combustion heating systems with fuel-specific dewpoint calculation.



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Technical Specification

Measured values, depending on equipment

O₂, CO/H₂, Flue gas temperature, combustion air temperature, draught, pressure

Calculated values, depending on equipment

CO undiluted, Lambda, CO₂, efficiency (Eta), temperature difference, pressure difference Eta-BW (for combustion systems), flue gas losses (q_A), dewpoint

Input possibilities, depending on equipment

Sutt figure, oil derivatives, customer No., boiler temperature

Measuring ranges

Flue gas temperature (incl. separate differential pressure measurement)

Measuring range: 0 °C/+1000 °C
 Resolution: 1 °C
 Accuracy: ± 1 °C + 1 digit (up to 300 °C)
 ± 1% of meas. value (above 300 °C)
 Thermoelement: NiCr-Ni (Type K)

External wall or air temperature

Measuring range: -20 °C/+200 °C
 Resolution: 0,1 °C
 Accuracy: ± 3 °C + 1 digit (-20,0 to 0,0 °C)
 ± 1 °C + 1 digit (-0,1 to +200,0 °C)
 Thermoelement: NiCr-Ni (Typ K)

Draught/Differential pressure

Measuring range: ±50hPa(draught)/±130hPa(diff.-pressure)
 Accuracy: ± 2 Pa (up to ± 2 hPa)
 ± 1% of meas. value (up to ± 50 hPa)
 ± 1,5% meas. value (above ± 50 hPa)
 Resolution: 1 Pa (= 0,01 hPa)

O₂-Measurement

Measuring range: 0 ... 21 vol.-%
 Resolution: 0,1 vol.-%
 Accuracy: ± 0,2 vol.-% of meas. value

CO₂-Determination

Indicating range: 0 ... CO₂ max.
 Resolution: 0,1 vol.-%
 Accuracy: ± 0,2 Vol.-%

CO-Measurement

Measuring range: 0 ... 5000 ppm (nom.)/0 ... 9999 (max.)
 Resolution: 1 ppm
 Accuracy: ± 5 ppm (up to 50 ppm)
 ± 5% of meas. value (above 50 ppm)

Display

TFT colour monitor

Date Communication

USB-interface via cable
 Wireless infra-red printer interface
 Bluetooth (optional)

Memory

Micro-SD-card (Option: std. commercial up to max. 4 GB)

Power Supply

NiMH rechargeable battery 6V/2Ah,
 external mains adaptor and charger

Protective Sleeve with Magnet

Soft plastic

Connections

Draught/Pressure: 7 mm diam
 Gas: 8 mm diam

Housing

Mineral fibre plastic

Temperature

Plug connector system for
 NiCr-Ni thermoelements (Type K)



Approvals

Acc. to BlmSchV and KUO as well as EN 50379-2

Weight (instrument only)

approx. 400 g

Instrument Variants

Eurolyzer ST for measurement of O₂, CO
 and (differential) temperature **(Pt.No. 69332)**

EUROLYZER ST for measurement of O₂, CO,
 (differential) temperature, draught **(Pt.No. 69333)**

EUROLYZER ST for measurement of O₂, CO₂, (differential)
 temperature, (differential) pressure, draught **(Pt.No. 69334)**

Scope of Delivery

EUROLYZER ST, incl. of calibration protocol, mains adaptor,
 flue gas probe, condensate filter cartridge, ambient air
 sensor, connector set for gas fittings, protective sleeve with
 magnet, aluminium instrument case

Optional Extras

Bluetooth interface, Micro-SD-Memory Card, Printer

Your specialist distributor